

Cracklin' Static

July 2020 Edition



**No Breakfast
meeting this
month
See page 4....**

SNARS NET on DMR – Tuesday 8pm
DMR Talk Group: 31328 SNARS

SNARS Treasury Closing Balances

Account as of 6-26-2020

Operating	\$6952
Savings	10017
Self Insurance	8308
PayPal	1621
Convention	4295
Total	\$31193

Net Monthly	\$425
Net YTD	3111
Renewals	24

SNARS Membership as of 6-28-20

Extra	141	36%
General	118	30%
Technician	116	30%
Advanced	14	4%
No License	0	0%
License Expired	2	1%
Novice	1	0%
Total	392	

SNARS ARRL Members

Regular	224	57%
Life	39	10%

PRESIDENT'S VOICE

President John Byerly, N7ROJ

Email: mtnlion@gmail.com



I hope everyone got a chance to get out (or in-side) and enjoyed Field Day. I ran 1E solar/LiFePO4 and a backyard temporary dipole when my plans fell through, and enjoyed many contacts both digital and SSB.

Please remember to submit your logs, it's easy to do, and remember to choose "Sierra Nevada ARS" as your club.

It was a great time even in the back yard, and the FOOD/beer were close at hand.

So far, it seems our meetings will have to continue on Zoom, but the board and myself evaluate it each month. If you need help with Zoom, please reach out and someone will be happy to help.

Soon the proposed bylaws update will be available to members and then we will vote on the changes and modernization.

Stay safe and as sane as you can.

Good DX!

John/N7ROJ



PO BOX 7727 Reno NV 89510
 Yearly Dues: \$40.00 Individual • \$50.00 Family
 775.453.4142 <http://snars.org>

2020 Officers

President.....John Byerly, N7ROJ
 Vice-President.....John Miller N7JDM
 Treasurer.....Bill Jones, AE7OX
 Secretary.....Anthony Marcin, W7XM
 DirectorWes Vick, KG7QXE
 DirectorJim Shepherd, W6US
 DirectorBarry Bettman, K6ST

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Cracklin Static Howie Holden, WB2AWQ
 W7TA Trustee Peter DeBay, KE7VSR
 KR7ENO Trustee..... Howie Holden, WB2AWQ
 Control Operator Pat Sheehan, W7DED
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 NVQSO Coordinator..... Jim Shepherd, W6US
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 DMR Net Manager Anthony Marcin, W7XM
 Reno Ham Swap Vacant
 Webmaster Erik Andreasen, K6CZH
 Club Sales Manager..... Julie Dodge, N7JWL
 Recording Secretary..... Doug Edmondo, W7DBE

Cracklin Static Publication

Editor: Howie Holden **WB2AWQ** - holden7471@msn.com

Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Published the week before meetings. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size, line spacing or other tools as may be required to publish this Newsletter. **Deadline for input to the newsletter is 1500 hours on the Sunday** prior to the 1st Saturday of each month.

SNARS Wide Area Linked System

147.030 + PL 123.0	Sparks, Fernley, Fallon	Online
147.210 + PL 100.0	Reno, Sparks	Online
147.150 + PL 123.0	Lake Tahoe, Truckee, Carson	Online
146.925 -?L 123.0	Lovelock, Fallon	Online
146.670 -?L 123.0	Winnemucca	Online
444.875 + PL 100.0	Yerington	Online
444.125 + PL 123.0	Reno Sparks	Offline

DMR Systems

444.925 + CC 1	Reno, Sparks	Online
444.825 + CC 1	Dayton, Fallon, Carson	Online
443.925 + CC 1	Lake Tahoe, Truckee, Carson	Online
443.950 + CC 1	Incline Village	Online
442.875 + CC 1	Sparks, Fernley, Fallon	Online
442.850 + CC 1	Downtown Reno	Online
441.950 + CC 1	Fallon, Fernley	Offline

Fusion Systems

146.610 - PL 123.0	Reno, Carson, Dayton	Online
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IRLP / EchoLink Systems

147.300 + PL 123.0	Reno, Sparks	Online
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Packet / APRS

145.050 - RNO	Reno, Carson, Dayton	Online
145.050 - ROSE	Lake Tahoe, Truckee, Carson	Online
144.390 - TOULON	Lovelock, Fallon	Online

Standalone Systems

147.390 + PL 100.0	Reno, Carson, Dayton	Online
443.075 + PL 123.0	Reno, Carson, Dayton	Online
927.0875 + PL 114.8	Reno, Carson, Dayton	Online



Online



Offline



Not Linked

Thank you to our Sponsors/Supporters



Weekday on the SNARS Linked System

147.030 + PL 123 – Sparks/Fernley
 147.150 + PL123.0 – Lake Tahoe / Truckee
 147.210 + PL 100.0 - Reno
 444.875 + PL 100.0 - Yerington
 146.925 - 123.0 – Lovelock / Fallon
 146.67 – PL 123.0 - Winnemucca

Monday through Friday @ 12:00pm

Open to all amateur radio operators. A general informational net for the amateur radio community of Northern Nevada and Eastern California. Radio Checks and Questions are welcomed.

Nets on the SNARS Linked Systems

147.210 + 100.0 | 147.030 + 123.0 | 147.150 + 123.0
 147.670 – 123.0 | 146.925 – 123.0 | 444.875 + 100.0

ERC Net for NV and Northern CA	Monday @ 9:15pm
N. Western NV ARES Net	Thursday at 7:30pm
Northern Nevada Preppers Net	Wednesday @ 8:00PM
Hospital Net	Friday @ 10:00AM

Nets on IRLP (GSR) System

Repeater: 147.300 + 123.0

Amateur Radio Newslane	Monday - 8:00PM
Nevada Skywarn Net	Wednesday - 7:00pm
Nevada State ARES Net	Thursday - 7:00PM

Nets on Simplex/HF

Jefferson Noon Net	7.204 LSB	Daily - 12:00pm
6 Meter Net	50.350 USB	Tuesday – 8:00pm
2 Meter Weak Signal	144.250 USB	Wednesday - 8:00PM
2 Meter Simplex Net	146.500 FM	Thursday – 8:00PM
10 Meter Net	28.350 USB	Sunday – 2:00PM

SNARS Weekly DMR Net – Tuesdays
8:00PM

SNARS Talk Group 31328

Open to Members and Guests. A general information net each week on DMR.

SNARS CALENDAR

Ham Radio Night at the REOC Wednesday, July 1 is CANCELLED

No July SNARS meeting due to July 4 holiday

SNARS Board Meeting Wednesday July 8
Being held virtually on Zoom

QCWA Nevada Chapter Sat, July 11, 11am – 12pm
 Famous Dave's Bar-B-Que, 4925 Kietzke Ln, Reno
 Tentative. Check <https://www.qcwa.orgchapter190.htm>
 for confirmation

Next SNARS Breakfast Meeting – Saturday August 1,
Location and media mode tentative depending on
Board decisions and local restrictions.

WELCOME NEW MEMBERS

James	Smalley	KJ7OSB
Frank	D'Auria	W1AD
Colleen	D'Auria	N7CMD
Justin	Roberts	W6UDF
Jean	Sherman	KJ7OFW
Randolph	Strader	KE6JQT
Nicole	Robinson	SWL
Mernie	Younger	KJ7OGE
Chris	Fultz	SWL
Dan	Hults	KJ7OFU
Darby	Collier	KM6SWW
Terry	Meyer	K6TDM

SNARS Virtual Monthly Meeting

No Monthly Meeting due to July 4th Holiday.



Happy Independence Day!!!

The next SNARS Breakfast Meeting will be on August 1, 2020.

Details and location tentative pending local restrictions.

Information by the next Cracklin Static.

FIELD DAY PHOTOS AND STORIES DUE BY JULY 10 FOR THE CRACKLIN STATIC SUMMER SPECIAL NEWSLETTER! SEND TO: WB2AWQ@ARRL.NET

THE NAME OF THE GAME

Jim Shepherd, W6US nvjims@gmail.com

SO WHAT DO I DO NEXT???

You have just finished working Field Day or any other contest, and there is still some work to be done. The sponsors want to get your results, and, your friends want to know how you did! Post-contest paperwork needs to be done.

All contests have deadlines for submission of the results. The CQ Magazine contests are all 5 days from the end of the contest. ARRL times vary with the contest with Field Day being the longest period at 30 days. The best reason to do it as soon as possible is that you may forget and will be left out. With a timely submission, the sponsor might be able to notify you of an entry error and you will have time to correct it. Things like sending in an ADIF file instead of a Cabrillo File can be fixed before the deadline.

More sponsors are using web based entry pages. These are simple to fill out forms with the ability to attach log files in the proper format, and other necessary documentation. The really nice thing about these sites is that your log is checked for proper formatting and inclusion of necessary information immediately and you can correct it. This also speeds up the processing, and a lot of contests now have results out to the participants within the month. In the 'old' days of mailed in paper logs, it could take up to a year to get the final results.

Attaching the files to an email is also popular with a lot of the smaller contest, and is the method used by our own Nevada QSO Party in October. It does require more work by the sponsor, but once all the files are properly named and sorted, the scoring can commence.

Mailing in logs on a disk has lots of problems, and has dropped out of favor. Mechanically broken disks and electromagnetic destruction have been the major problems. Paper logs are limited to only a handful of contacts and universally disliked by the sponsors. There are ways for you to turn a paper log into a proper formatted electronic log like a Cabrillo formatted one for submission.

Since it takes weeks or months until the results are published, there is another website where you can post a synopsis of your scoring as a courtesy to your fellow hams. 3830 Scores started as a radio net to exchange scores right after a contest, and has transformed into a major website with breakouts for the different classes. It is located at <https://www.3830scores.com/index.php> and has easy to fill out summary forms for most contests. There is a lot of good infor

mation available from this site.

It is also important to upload an ADIF file of your contacts to LogBook of the World (LOTW) and/or your main logbook software. Contest loggers like N1MM are not useful as a permanent record of all your activity, but they excel at capturing QSOs during a contest. LOTW is the best way to confirm your QSOs and keep records for awards like DXCC, WAS, WPX, etc. An hour after Field Day was over, I had about 15% of the contacts confirmed on LOTW from other logs that had been uploaded in that hour. The mailman doesn't even come on Sunday, and it may take weeks to get that many confirmations, if ever.

A lot of contest sponsors are releasing the complete logs of everyone who entered. This is a good way to look at the logs of the "big guns" and see what times work best for what frequencies and locations... If you get really serious about contesting, this is a good way to get lots of information.

Field Day is a good starter 'contest', and a lot of club members participated. We will not have a count until later, but this seemed to be true all across the country. 'D' and 'E' stations totally dwarfed the number of the usual 'A' and 'B' class stations and there was considerably more activity on the bands. Only about 20% of the callsigns I worked showed up against my call history database which means that the 80% were relatively new to contesting. I talked to a few who had no recent contest activity and they all said that they had fun and will be doing more. The 'dead' bands were very much alive with contacts!!!

I hope all of you that participated will turn in your logs. Remember that you need to put "Sierra Nevada ARS" as your club, and the ARRL webform actually has a drop down box where you can select this correct form of the club name. There will be a drawing for prizes from all of those members who list the club which will also add to our club score. No log is too small, if you made a couple of contacts with your handheld on a simplex frequency, you are using a battery powered QRP radio, can get 5 points for each voice contact and you will get 100 points for using 'Emergency Power'...

The next big fun contest will be the Nevada QSO Party, the second weekend in October... More information will be coming in future editions---Stay Tuned!

SNARS LOGO ITEMS

This year we are celebrating our 50th year by providing many ways to commemorate this occasion by imprinting our 50th



Stickers \$1.00 Each



16oz Coffee Mugs \$8.00



Hats \$10.00



Club Badge \$15.00

Order at
<http://snars.org/store/badge-order>

Items are available at the monthly meetings, events or online (coming soon) <http://snars.org/store>

MIKE'S MISSIVES CHAPTER FIFTY ONE

Mike Katz, N7MSK

§97.313 Transmitter power standards. (Above 28.5 Mhz. See last month for below 28.5Mhz)

- (a) An amateur station must use the minimum transmitter power necessary to carry out the desired communications.
- (b) No station may transmit with a transmitter power exceeding 1.5 kW PEP.
- (d) No station may transmit with a transmitter power exceeding 25 W PEP on the VHF 1.25 m band when the control operator is a Novice operator.
- (e) No station may transmit with a transmitter power exceeding 5 W PEP on the UHF 23 cm band when the control operator is a Novice operator.
- (f) No station may transmit with a transmitter power exceeding 50 W PEP on the UHF 70 cm band from an area specified in paragraph (a) of footnote US270 in §2.106, unless expressly authorized by the FCC after mutual agreement, on a case-by-case basis, between the Regional Director of the applicable field facility and the military area frequency coordinator at the applicable military base. An Earth station or telecommand station, however, may transmit on the 435-438 MHz segment with a maximum of 611 W effective radiated power (1 kW equivalent isotropically radiated power) without the authorization otherwise required. The transmitting antenna elevation angle between the lower half-power (–3 dB relative to the peak or antenna bore sight) point and the horizon must always be greater than 10°.
- (g) No station may transmit with a transmitter power exceeding 50 W PEP on the 33 cm band from within 241 km of the boundaries of the White Sands Missile Range. Its boundaries are those portions of Texas and New Mexico bounded on the south by latitude 31°41' North, on the east by longitude 104°11' West, on the north by latitude 34°30' North, and on the west by longitude 107°30' West.
- (h) No station may transmit with a transmitter power exceeding 50 W PEP on the 219-220 MHz segment of the 1.25 m band.
- (j) No station may transmit with a transmitter output exceeding 10 W PEP when the station is transmitting a SS emission type.
- (m) No station may transmit with a peak equivalent isotropically radiated power (EIRP) exceeding 316 W in the 76-81 GHz (4 mm) band.

SHORT TAKES (By Jim Shepherd W6US)

HAM RADIO NIGHT, First Wednesday, July 1, 2020 has been CANCELLED due to the REOC being activated and for everyone's health and safety during the Covid19 Pandemic. The July event may also be cancelled—we don't know at this time. We are looking at making some videos available and that will be posted on the SNARS website. The first one is Contesting 101 at: <https://www.youtube.com/channel/UCrRfbj8aRmYZCPrnzUDeQ>

CONTEST CALENDAR

The CQ VHF contest is a good one for all hams to try and work July 20 and 21. There is a QRP Hilltopper category where you can get on top of a mountain for the day and make simplex contacts with lots of other hams with just a handheld or other 5 watt radio. This contest is limited to 6m and 2m only and the exchange is your callsign and 4 digit grid zone locator. Rules are at <https://>

www.cqww-vhf.com/rules.htm The 7QP results are out and there was about a 50% increase in logs this year—we activated all the counties other than White Pine, and over 125 stations were on the air in Nevada! You can get the full information about other contests at <https://www.contestcalendar.com/contestcal.html>

DX

There are only a couple of listed DXpeditions this month and they may be cancelled. There are lots of other stations who might be on the air from their home QTH operating as they are in the same situation that we are with Covid19. More information can be found at <https://www.ng3k.com/Misc/adxo.html>

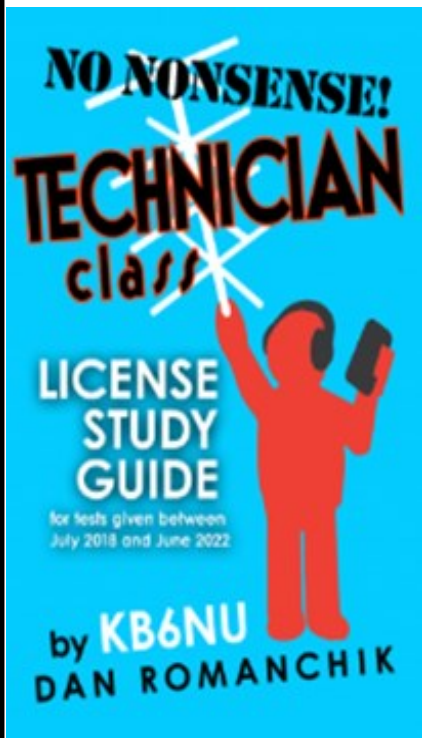
NAME THAT RIG

(Answer on page 10)



YOUTH INVOLVEMENT

Scouts (and adults) Virtual Technician Class completed



The four-session Virtual Technician Class of 15 students has completed. We used the (free) "No-Nonsense Technician-Class License Study Guide" courtesy of www.kb6nu.com

Thanks to the Elmer team (KJ7DHY, K6LR, AG7TX, NL7IN, KG7VUI, K6ST) that provided excellence to the students

As of last week, we heard back that two passed their Technician class license so far. Stay tuned as we hope to have some additional new hams soon.



Kids Day is designed to give on-the-air experience to young people and hopefully foster interest in getting a license of their own. It is also intended to give older hams a chance to share their station and love for Amateur Radio with their children.

ARRL Kids Day - Sat June 20th was a success!



Two dozen kids from around the world participated on Kids Day in conjunction with the "Young Amateur Communications Ham Team" (YACHT) on Echolink W8PIF-R node 481872. Several SNARS members were on and really enjoyed talking with the kids.

What is Kids Day?

Twice a year, ARRL offers an event designed to promote Amateur Radio to our youth. Share the excitement with your kids or grandkids, a Scout troop, a church or the general public!

For more information and to download Kids Day Certificates to give to kids

<http://www.arrl.org/kids-day>

Interested in supporting the youth in ham radio?

We welcome your ideas, thoughts, comments, connections.

Please contact: k6st@arrl.net

Barry K6ST

Nevada Section Youth Coordinator

ARRL (American Radio Relay League) www.arrl.org

The national association for amateur radio

73, Barry K6ST

Nevada Section Youth Coordinator

ARRL (American Radio Relay League) www.arrl.org

The national association for amateur radio

<https://twitter.com/barrybettman>

<http://www.linkedin.com/in/barrybettman>

HELPING A FELLOW HAM

For Sale - HF, CW, VHF/UHF, HF Linear, Other equipment

(SNARS is helping out an older ham; gear needs to be picked up in Reno by July 12th)

HF EQUIPMENT:

Kenwood TS-450s(at) Transceiver \$475
Kenwood MC-60 Desk Microphone \$60
Heil headset (dual ear) with HC5 element (\$60)
Generic Speaker \$15
MFJ-108b clock \$15
Astron RS-35m power supply \$125

Subtotal of individual items \$750
As a package all together \$600

CW EQUIPMENT:

Bencher BY-2 Chrome Base cw paddle \$85
MFJ-407B electronic keyer \$30
J38 cw keys qty 4 (\$20 each) and one other
straight key (\$15)

Subtotal of individual items \$190
As a package all together \$150

HF LINEAR EQUIPMENT:

Ameritron 811H HF Power Amplifier \$775
MFJ 989c 3kw roller antenna tuner \$175
MFJ 880 1.6-60mhz swr/wattmeter \$50
Diawa CS-201 Two Position coax Switch (Qty 2 \$20
each)
Heath Cantenna dummy load \$15

Subtotal of individual items \$1055
As a package all together \$850

VHF/ UHF EQUIPMENT:

Alinco DR-605 VHF/UHF dual-band transceiver \$175
Astron RS-20 power supply \$60
Azden PCS-7000h vhf transceiver \$50
Micronta 22-124a 12v 2.5a power supply \$20
Larsen NMO 2/70 Antenna and Mag Mount \$50
Micronta 19-320 144/440mhz swr/power meter \$20

Subtotal of individual items \$375
As a package all together \$300

OTHER EQUIPMENT:

Ohmite (\$ tbd) (No idea what this is.....ed!)
Rack approx 5.5' height (\$ tbd)
HF Antenna - multiband wire + coils with pole approx
25' height with Coax for hf - best guess 100'. Needs to
be taken down. (\$ tbd)

For more information, contact: Barry K6ST email
k6st@arrl.net

FUN STUFF FOR JULY

Contests for June: July has a couple of ARRL/NCJ sponsored contests, which qualify for the Gavel award, shown in **BOLD**. Otherwise it's a pretty quiet month. Enjoy the summer.....

1 Jul 0000 to 1 Jul 2359 1.8-144 RAC Canada Day Contest CW Ph rac.ca/our-programs

11 Jul 1200 to 12 Jul 1200 1.8-28 IARU HF World Championship CW Ph www.arrl.org/iaru-hf-world-championship

18 Jul 1800 to 19 Jul 0559 3.5-28 North American QSO Party, RTTY www.ncjweb.com/naqp

18 Jul 1800 to 19 Jul 2100 50, 144 CQ Worldwide VHF Contest CW Ph Dig www.cqww-vhf.com

See <http://www.arrl.org/files/file/Contest%20Corral/2020/July%202020%20Corral.pdf> for a complete list of contests.

If you're not into contests, there's always DX to chase! We're still seeing the effects of Covid-19, so the list is still small. Here's the ENTIRE list of the few DX operations going on in July (and I'd check to see if any actually take place...):

Jul 01 To Jul 31 Vanuatu YJ40IND

Jul 24 To Jul 26 Liechtenstein HB0

Jul 29 To Aug 15 Uganda 5X1RI

Check <https://www.ng3k.com/Misc/adxo.html> for updates on DXpeditions!

RENO QRP SLOW SPEED CW NET

Normally at this time I announce the next NET that would normally happen in about two weeks from now. **Unfortunately, unless things change the next NET won't happen for about 5 weeks.** I am looking at the third week in July for the next NET.

This has come about because my schedule has become overloaded. Besides the normal things that come up in my life, I am called upon to help my grandson.

My grandson (Hayden) has an offer that can't be turned down. He will be employed in a lab and at the same time he will be working for his PhD. This opportunity will take him away from home to LA, CA.

I will be involved in helping him get moved, which will include a very long drive.

You can look for the next NET announcement about July 5. I hope by then things will settle down and get the NET back on schedule.

Until we meet again on the air stay safe.

73, Ed/WD7Y

NAME THAT RIG (from page 7)

Heathkit introduced their first 2 meter FM transceiver kit in 1973, the **HW-202**. It was pretty basic – with six crystal-controlled channels available but supplied with only one: simplex 146.94Mhz – you had to buy other crystals, 2 for each repeater you wanted to access. It was a 10 watt radio with only channel selection, volume, tone burst selection (optional), and squelch controls. Nothing to program. That's the way it was back then! They also made some options for it: The HWA-202-1 AC supply, HWA-202-2 tone burst encoder for repeaters which required it, HWA-202-3 mobile antenna, and HWA-202-4 base vertical antenna. They also made a power amp, the HA-202 to boost power from 10 watts to 40. They're mostly curios these days, not very practical, and fetch mini bucks at ham fests.

SNARS FIELD DAY OPERATIONS

Did you do Field Day this year? From home, or out in the wild? Make sure you send me some photos, and a brief writeup, including your claimed score if you've calculated it. I'd like to put all the SNARS individual efforts into the Summer Special Cracklin Static. No matter if you just operated briefly from the comfort of your shack, or you braved the elements and trucked out some batteries or solar power. Be sure to also include on your summary to the ARRL that you're with Sierra Nevada ARS (exact spelling required!), so that your score will be added to the club's cumulative members' scores. ARRL will publish our collective club effort in QST. Send your stuff by July 10 to WB2AWQ@arrl.net

W7SSB's FUN STUFF

Don Sherman is taking a short hiatus from his regular column, and will return soon. Stay tuned!

RAC CANADA DAY

RAC Canada Day Contest:
0000Z-2359Z, Jul 1 (which is from 5p PT Tuesday, June 30th till 5p PT Wednesday, July 1st)

Celebrate "Canada Day" with other hams from around the world contacting amateur radio operators in Canada.

For more info, visit:

<https://wp.rac.ca/rac-canada-day-contest-rules-2020/>



ARES NEWS

This frequency chart is what we use from the National Weather Service when NWS activates SKYWARN. With our severe thunderstorms these are the frequencies we will use.



WCARES



C	MEMORY	REPEATER	PL	NOTES:
COUNTY	MEMORY	REPEATER	PL	NOTES:
Alpine, Ca	13	147.330	123.0	Leviathan, Minden, Carson, Alpine Co
	4	146.940	123.0	Snow Valley Pk Covers S&E Reno, Washoe, Carson, Minden, and Whole Lake Tahoe
	10	147.240	100.0	Heavenly Valley Heavenly Vly, Most Lake, into Sacramento
	11	147.270	123.0	McClellan Pk Covers Carson, Douglas, Dayton, Silver Springs
	2	146.865	123.0	Leviathan Covers Alpine and Douglas
Churchill	7	147.150	123.0	Mt Rose Covers S Reno, Washoe, Carson, Douglas, S&W Lake Tahoe
	9	147.210	100.0	Peavine Pk
	6	147.030	123.0	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk Covers Reno, Spanish Springs, Churchill Co, Gerlach, Black Rock, Susanville (scratchy)
	5	146.970	100.0	Eagle Covers Silver Springs and Fallon
Carson City	1	146.610	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	4	146.940	123	Snow Valley Pk Covers S&E Reno, Washoe, Carson, Minden, and Whole Lake Tahoe
	14	147.390	123.0	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	11	147.270	123.0	McClellan Pk Covers Carson, Douglas, Dayton, Silver Springs
Douglas	13	147.330	123.0	Leviathan Pk, Minden, Carson, Alpine Co
	11	147.270	123.0	McClellan Pk Covers Carson, Douglas, Dayton, Silver Springs
	10	147.240	123.0	Heavenly Valley Pk Heavenly Vly, Most Lake, into Sacramento
	2	146.865	123.0	Leviathan Covers Alpine and Douglas
Eldorado, Ca	10	147.240	123.0	Heavenly Valley Pk Heavenly Vly, Most Lake, into Sacramento
Lassen, Ca	8	147.180	107.2	Covers Reno, Spanish Springs, Churchill Co, Gerlach, Black Rock, Susanville (scratchy)
Lyon	5	146.970	100.0	Lahontan (Silver Springs, Fallon)
	1	146.610	123.0	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	7	147.150	123.0	Mt Rose (Silver Springs, Yerington, Smith Valley)
Mineral				
Modoc, Ca				
Mono, Ca				
Nevada, Ca	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas, S&W Lake Tahoe
Pershing	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk

Pershing	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk
Placer, Ca	10	147.240	123	Heavenly Valley Pk Heavenly Vly, Most Lake, into Sacramento
Plumas, Ca	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas,S&W Lake Tahoe
	9	147.210	100	Peavine Pk
Sierra, Ca	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas,S&W Lake Tahoe
	13	147.330	123	Leviathan Pk, Minden, Carson, Alpine Co
Storey	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas, S&W Lake Tahoe
	9	147.210	100	Peavine Pk
	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk
	1	146.610	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	14	147.390	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
		146.850	123	Storey County ARES
Washoe	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas,S&W Lake Tahoe
	9	147.210	100	Peavine Pk
	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk
	1	146.610	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	14	147.390	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
EchoLink and IRLP	3	146.895	100	KA7ZAU Peavine Pk (Node #357948?#73 to clear #15 to activate #73 when done))
	12	147.300	123.0	Grand Sierra Resort Node #7873)
DMR		TALK GRPS		SNARS and/or NEVADA

Yellow highlighted are linked repeaters

TRAIL BLAZE CHALLENGE August 15th 0500-1700

We are supporting the Make-A-Wish Trailblaze Challenge on August 15th and I am looking for anyone that is interested in walking all or part of the Tahoe Rim Trail between Spooner Summit and the Stagecoach Lodge at Heavenly carrying an HT.

Between Aid 1 and Aid 2 is 7 Miles

Between Aid 2 and Aid 3 is 5.3 Miles

Between Aid 3 and FINISH is 7.7 Miles

Entire walk is 23.2 Miles

If you can help let me know.

Bob

Wa6mt@gbis.com

Air Races have been cancelled so we won't be helping this year.



Board of Directors Meeting Minutes

June 10, 2020, approximately 5:00 PM
Via ZOOM

1. Call to order and roll call at 5:00 PM

Board of Directors:

Anthony Marcin, W7XM	P	Barry Bettman, K6ST	P	John Miller, N7JDM	P
Bill Jones, AE7OX	P	John Byerly, N7ROJ	P	Wes Vick, KG7QXE	P
Jim Shepherd, W6US	N P	Doug Edmondo, W7DBE	P		

2. Approval of Minutes - Discussion/Action

The Board motioned and approved the meeting minutes for the May 13th Board meeting

3. Approval of Agenda - Discussion/Action

The Board motioned and approved the meeting agenda for June 10th

4. Reports

A. President's Report: Since best Western and Boom Town still have restrictions on group sizes the July meeting will not be in person.

B. Secretary Report

- a. Membership Status – membership is up through June and is nearing 400 members.
- b. Registered agent information has been updated with the secretary of state

C. Treasurer

Transferred \$3,000 from Paypal to Checking, \$240 from checking to self insurance and \$120 from checking to savings.

Net Monthly \$998 Net YTD \$2,685, Renewals 24

a. Financial Report – as of May 31, 2020: Checking: \$5,021 Savings: \$9,897 Paypal: \$3,488
Conv: \$4,295 Self-Ins: \$8,068

D. Technical Team– D-star issue on Davidson is not a SNARS issue, we don't own the equipment. Still need to have work done on Davidson and will need some remediation from the animal infiltration.

E. Control Operators/Trustee: none

F. Events: none

G. Education & Youth Activities

a. Noted the scouts Tech Class is ending. Kids day is the week after next, Barry working with our Web master on adding new items to the web page.

H. Noon Net Noon Net Manager – Need assistance for noon net net control operators as Dotti has resigned.

5. Old Business

A. Members Only Website – Tony is still updating

B. By Laws – Tony took action to send to Howie for publication to the members for review. Call a corporate meeting in August for approval.

6. New Business: none

7. Public Comments: there were no public comments

8. Adjournment - Action

A. Next Meeting: July 8, 2020. Location TBD, decide the week prior

B. Call For Adjournment.